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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/309,211	05/10/1999	HY MURVEIT	NUAN-00800	7221

28960 7590 10/30/2003

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EXAMINER

AZAD, ABUL K

ART UNIT	PAPER NUMBER
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2654

25

DATE MAILED: 10/30/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/309,211

Applicant(s)

MURVEIT ET AL.

Examiner

ABUL K. AZAD

Art Unit

2654

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 December 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10,12-26,28-40 and 42-58 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10,12-26,28-40 and 42-58 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Response to Arguments

1. Applicant's arguments, at the interview, on June 9, 2003, with respect to claims 1-10, 12-26, 28-40 and 42-58 have been fully considered and are persuasive. The previous action of final rejection (Paper No. 23) has been withdrawn.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-10, 12-26, 28-40 and 42-58 are rejected under 35 U.S.C. 102(e) as being anticipated by Besling et al. (US 6,363,348).

As per claim 1, Besling teaches, "a method of adapting a speech recognition system," wherein the method comprises steps of:

"obtaining an identification of a speaker" (col. 7, lines 35-45, particularly reads on "the user station transfers the user identifier");

“obtaining a sample of a speaker’s speech during a first remote session” (col. 7, line 46 to col. 8, line 55, a sample of a speaker reads on “acoustic sample” and the enrolment phase is the first remote session);

“recognizing the speaker’s speech utilizing the speech recognition system during the first remote session” (col. 7, lines 46-65, reads on “basic recognition model”);

“modifying the speech recognition system according to the sample thereby forming a speaker-specific modified speech recognition system” (col. 7, line 46 to col. 8, line 55);

“storing a representation of the speaker-specific modified speech recognition system in association with the identification of the speaker” (col. 8, lines 1-55, particularly reads on “the server station 310 may store for each of the recognition models such acoustic characteristics and select a best matching model based model based on the characteristics”)

“using the representation of the speaker-specific modified speech recognition system to recognize speech during a subsequent remote session with the speaker” (col. 8, lines 1-55)

As per claim 2, Besling teaches, “comprising a step of cumulatively modifying the speech recognition system according to speech samples obtained during one or more remote sessions with the speaker” (col. 8, lines 1-56).

As per claim 3, Besling teaches, “wherein the speaker is a telephone caller” (col. 6, lines 20-37, telephone number is used to identify the user station).

As per claim 4, Basling teaches, "wherein the step of modifying the speech recognition system comprises a step of modifying an acoustic model thereby forming a speaker-specific modified acoustic model and wherein the step of storing a representation of the speaker-specific modified speech recognition system comprises a step of storing a representation of the modified acoustic model" (col. 8, lines 1-56).

As per claim 5, Basling teaches, "wherein the representation of the speaker-specific modified acoustic model is a set of statistics which can be utilized to modify a pre-existing acoustic model" (col. 7, 46-65 and col. 2, lines 1-67).

As per claim 6, Basling teaches, "wherein the representation of the speaker-specific modified acoustic model is a set of statistics which can be utilized to modify incoming acoustic speech" (col. 8, lines 1-56)

As per claim 7, Basling teaches, "a step of utilizing the speaker-specific modified speech recognition system during the first remote session with the speaker" (col. 7, lines 35-65).

As per claim 8, Basling teaches, "wherein the speech recognition system is speaker-independent prior to first remote session" (col. 7, lines 35-65).

As per claim 9, Basling teaches, "wherein the step of modifying the speech recognition system is performed during the first remote session" (col. 7, lines 35-65).

As per claim 10, Basling teaches, "wherein the step of modifying the speech recognition system is performed after termination of the first remote session" (col. 7, lines 35-45).

As per claims 13-15, they are interpreted and thus rejected for the same reasons set for the in the rejection of the claims 8-10.

As per claims 12 and 16, Basline teaches, "step of authenticating the speaker's identification by the speaker's speech" (col. 6, lines 20-37).

As per claims 17-26, 28-40 and 42-58, they are interpreted and thus rejected for the same reasons as set for the in the rejection of the claims 1-10 and 12-16.

Contact Information

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Abul K. Azad** whose telephone number is **(703) 305-3838**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richemond Dorvil**, can be reached at **(703) 305-9645**.

Any response to this action should be mailed to:

Commissioner for Patents

Washington, D.C. 20231

Or faxed to:

(703) 872-9314

(For informal or draft communications, please label "PROPOSED" or "DRAFT")

Art Unit: 2654

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center's Customer Service Office whose telephone number is **(703) 306-0377**.


Abul K. Azad

October 13, 2003